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UNIVERSITY OF ALBERTA

folio

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U of A big winner in latest CFI competition

New faculty receive most funding for highest number of projects in Canada

By Geoff McMaster

New faculty at the University of Alberta have pulled in \$1.4 million for nine projects from the Canada Foundation for Innovation (CFI). It's the most funding (and the highest number of projects to receive CFI awards) among the country's post-secondary institutions in the latest competition.

"The University of Alberta did better than any other university across the country and we're absolutely delighted," said Vice-President (Research) Roger Smith. "Start up support for top-flight academics and the infrastructure it requires these days cannot be overstated."

U of A projects to be supported under CFI's New Opportunities Fund include the development of microchips for surgical procedures, magnetic resonance imaging (MRI) for the assessment of stroke and other neurological diseases, and evolutionary methods in electrical and computer engineering.

Dr. Mark Boyce, who last year was appointed Alberta Conservation Association Chair in Fisheries and Wildlife in the Department of Biological Sciences, received the largest grant—\$340,000 for his work in wildlife management.

His team uses "biotelemetry," a high-tech, satellite-based system which monitors the movements of animals such as grizzly bears and elk. "It's pretty expensive stuff, which is why our projects needed a shot in the arm on the equipment side," says Boyce. "This will be a terrific boost... it really will help a lot."

He's also designing "statistically rigorous procedures" to monitor the effects of development—like road or pipeline construction—and calculate consequences for specific animal populations. One big complaint of industry is that the type of cumulative effects assessment most often used is "nebulous and arbitrary," he says.

"No one can agree on the process for doing this sort of thing. Now we've got a better way to do it... We can actually calculate risk of extinction as a consequence of development."

Dr. Christian Beaulieu received about \$200,000 from CFI to upgrade a 3.0T (tesla, or measurement of field strength) MRI scanner which will form part of a new state-of-the-art centre for stroke research, called the Centre for Magnetic Resonance Evaluation of Human Function and Disease.



CFI grant winner and Alberta Conservation Association Chair in Fisheries and Wildlife Dr. Mark Boyce with radio collar used for tracking grizzly bears.

"It's fantastic news," says Beaulieu, who joined the Department of Biomedical Engineering in March 1999. "We're in a field where we're critically dependent on our equipment, and MRI is one of those things that pushes the frontiers of a lot of technological research."

"It's one of the more expensive pieces of equipment you can buy, but if you don't keep up to date with it you really fall behind." The CFI funding for the project has been matched by the Alberta Heritage Foundation for Medical Research, says Beaulieu.

Last week CFI President Dr. David Strangway announced \$6.5 million in awards to provide lab equipment and facilities for new faculty at 52 Canadian universities. The University of British Columbia received \$957,000 for seven projects, Laval University was awarded \$934,000 for two, and Queen's University received \$494,000 for four.

Projects were selected on the basis of quality of research and need for infrastructure, contributions to strengthening the capacity for innovation, and potential benefits of the research to Canada. A CFI grant covers 40 per cent of eligible costs, the rest coming from the provincial government and private sector.

Entrusted with a \$2.4 billion capital investment budget, CFI was created in 1997 to fund state-of-the-art infrastructure in Canada's research community. Strangway says the program is "critical to helping our universities attract and retain the best researchers in Canada."

"These new researchers will have access to the equipment and facilities needed to put their creativity to work, and to contribute to strengthening Canada's global research leadership." ■

Researchers funded by CFI's New Opportunities program:

- Dr. Declan Ali—animal biology—\$134,859
- Dr. Christopher Backhouse—electrical and electronic engineering—\$132,068
- Dr. Christian Beaulieu—biomedical engineering—\$198,663
- Dr. Mark Boyce—evolution and ecology—\$339,425
- Dr. Kenneth Froese—analytical chemistry—\$197,614
- Dr. Alkiviathes Meldrum—condensed matter physics—\$184,778
- Dr. Petr Musilek—information technology—\$91,241
- Dr. Donald Raboud—mechanical engineering—\$53,855
- Dr. Felix Sperling—evolution and ecology—\$84,000

Former Alberta deputy treasurer new finance VP

By Ryan Smith

University of Alberta President Rod Fraser said he's "delighted" Al O'Brien, former Deputy Provincial Treasurer of Alberta, has accepted the position of acting vice-president (finance and administration).

O'Brien, a U of A grad with a B.A. ('64) and M.A. in economics ('69), has signed on for an 18-month term, effective Nov. 1. He comes to the job after a 35-year career with the provincial government, which included overseeing the major changes of Alberta Treasury's financial and reporting systems. He was instrumental in a joint venture to manage the government's payment and accounting systems and was involved in the successful implementation of the PeopleSoft information system, the same program used at the U of A, for system-wide use by government.

CORRECTION

Dr. Elena Kosmach is the Ramsay Tompkins Visiting Professor in both the Departments of Modern Languages and History and Classics, not just in History and Classics as was reported in the Oct. 20 issue of Folio.

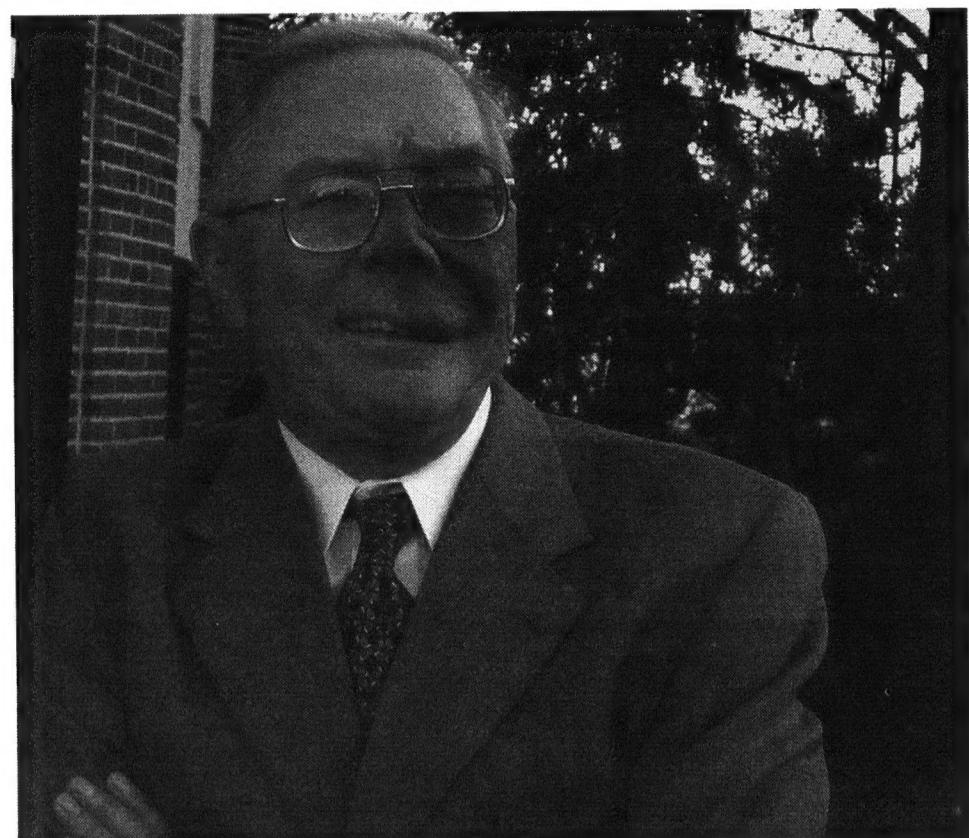
"PeopleSoft is a big, complex software system, and what I have to do is understand what's working and what isn't working in the U of A application," O'Brien said. "With any system implementation the problems tend to be ones of training and communication with users, that's where the headaches come."

"My focus is to get results for people and be results driven. A key goal is to work with people from every one of the faculties at the U of A and ensure they're getting the information they need, when and where they need it, and in the format they need it."

Recipient of the Lieutenant Governor's Award in 1998 for Exceptional Achievement and Distinctive Leadership in Public Administration in Alberta, O'Brien said he sees some similarities between his former job and his new one.

"Obviously they're both large, complex institutions, but I was involved in the restructuring of the treasury department to make it more client driven, and that's the direction I see us moving at the U of A...The learning curve will be steep for me, but I think my experience will help a lot."

O'Brien comes to the post as Glenn Harris leaves it after nine years. Harris—who guided the portfolio through the difficult period of funding cuts in the early- and mid-nineties to its current position of unprecedented growth (\$100 million in current construction projects) resigned this week to pursue a private consulting practice. Commenting on Harris's departure, president Fraser praised his high ethical standards and hard work ethic.



Al O'Brien: "A key goal is to work with people from every one of the faculties at the U of A and ensure they're getting the information they need."

Fraser was also liberal in his praise for O'Brien, who is a director of the Alberta Treasury Branches and a senior fellow with the C.D. Howe Institute, among other titles he holds from professional organizations. "Al brings a wealth of financial management expertise to the University of Alberta and I am delighted that he will be joining us," said Fraser.

For his part, O'Brien, who arrives at his new post after retiring from the provincial treasury department in May 1999, said he won't be able to spend as much time at his beloved family farm outside Barrhead now, but "I'm certainly happy to join Dr. Fraser and become a part of the exciting things that are happening at the U of A." ■

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OFFICE OF PUBLIC AFFAIRS,
400 ATHABASCA HALL
UNIVERSITY OF ALBERTA,
EDMONTON, ALBERTA T6G 2E8

LEE ELLIOTT: Director,
Office of Public Affairs

LUCIANNA CICCIOPIO: Editor
GEOFF MCMASTER: Assistant Editor

CONTRIBUTORS:

Gilbert Bouchard, Phoebe Dey, Dr. Glenn Griener,
Andrew Leitch, Ryan Smith

GRAPHIC DESIGN:
Penny Waite, Dennis Webber, Jennifer Windsor

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Inquiries, comments and letters should be directed to Lucianna Ciccocioppo, editor, 492-0439 lucianna.ciccocioppo@ualberta.ca

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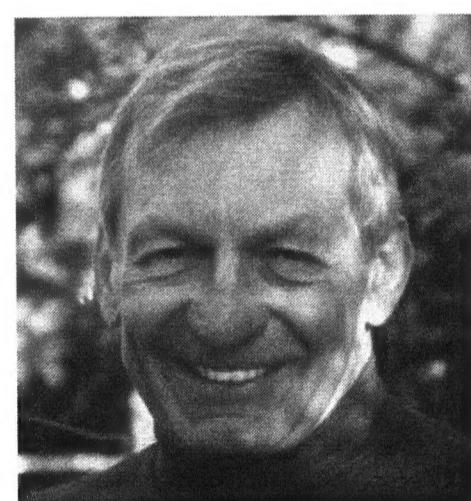
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Schindler named Herzberg Medal finalist

Biologist in the running for \$1 million in research funding

By Ryan Smith



Dr. David Schindler

Dr. David Schindler's high school guidance counselor told him if he decided to become a biologist, the only career he'd have would be as a high school biology teacher. Schindler, who wanted to be a researcher, decided to study physics in university instead of his beloved biology.

Today, over 40 years and masses of published articles and awards later, those who care about our natural environment should be grateful Schindler changed his mind in his second year of university and decided to study biology despite his counselor's (mis)guidance.

"I had that one lousy counselor, but I've always loved science, and my high school math and biology teachers really encouraged me...It's turned out to be a fun and very rewarding career," said Schindler, recently named one of three finalists for the Gerhard Herzberg Gold Medal in Science and Engineering—commonly regarded as Canada's most prestigious award in those fields.

Schindler said he was "shocked" to learn he is a Herzberg finalist because he thought "with so many top scholars doing high tech, information age research, which is obviously a hot field right now," his type of research might not be as conspicuous.

"But I'm familiar with the other nominees," he said, referring to Dr. David Regan, who studies modular brain processes at the University of Toronto, and Dr. Howard Alper, a chemist from the University of Ottawa who holds over 30 chemical patents. "I know I'm in excellent company, and I feel truly honoured and humbled."

Being named a finalist generates more than a warm feeling, though. Schindler is guaranteed a \$50,000 research grant from the Natural Science and Engineering Research Council, and if he wins the Herzberg medal, which is to be announced and presented by the Governor General on Dec. 7 at Rideau Hall in Ottawa, the grant will be topped up to \$1 million over the next five years.

Schindler is currently working on several projects with graduate students and colleagues, including research on the effects of ultraviolet light on lake and stream ecosystems, the effects of sewage waste on river systems, and the effect of stocking mountain lakes with alien fish species.

Just as his high school teachers encouraged him, Schindler thinks it's important to encourage students today to become biologists. "About thirty years ago in Canada we were the world leaders on many environmental issues—we drove

global policy on eutrophication and acid rain, believe it or not—and now we're at the point where there's a lot of 'sixtyish' researchers. With new development we're creating new environmental problems, and there's going to be a big need for biology researchers."

Ideally, to protect the environment "we ought to do scientific assessments of the impact of commercial ventures before they are undertaken," said Schindler. "For many years we've assumed if something makes money we should go ahead with it, and if it

harms the environment we'll fix things after, but scientists know much of the damage can't be fixed after it's been done."

Though Schindler is concerned for the natural environment, he was "heartened yesterday to hear the word 'environment' used during the federal election campaign. It seems it's been many years since it's been mentioned, but it gives me some reason to be optimistic, and in this field it's always good to find a reason to be optimistic." ■

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The business of philosophy in today's university

Should philosophy departments become more consumer-oriented?

By Gilbert A. Bouchard

What could be a more appropriate venue for a Thanksgiving holiday weekend discussion of the "business of philosophy" than West Edmonton Mall's Fantasyland Hotel, western Canada's largest monument to consumer-oriented capitalism?

Or perhaps it's too appropriate. University of Alberta Professor Jeffry Pelletier, the moderator of the Western Canadian Philosophical Association regional conference panel discussion about the pressure to commercialize academia, noted the meeting room's insipid and persistent background music couldn't be turned off. The music—including an overly cheery take on "Don't Cry for Me Argentina"—was bleeding in from the cavernous maw of the monster mall only a thin hotel wall away.

So, like it or not, the ensuing discussion of the prevailing pressure on philosophy departments—if not all academics—across the country to adopt a consumer-oriented business model had its own persistent, commercial pop soundtrack forcing its way in from the mall.

By way of introduction, Pelletier noted he didn't think the adoption of a business metaphor is necessarily a bad thing for Canada's universities, as long as it's done in a thoughtful manner and carefully defines "what the customers and products of the university are."

"There's no flaw in the business model—just potential flaws in implementation," he says. "There's a prevailing view that universities have to produce what is relevant to the business community... I teach part time in the computer department and get feedback from the community that we should be producing students with relevant skills for contemporary computer businesses."

"It's a very narrow view. At the moment, computer networks are hot, so we should teach more courses about running networks, but that's just tinkering, not science. It would be like teaching a course about how to produce a spreadsheet."

Rather, says Pelletier, academia needs to educate the broader community that the real "product" of universities is their role as a vast repository of broad-based knowledge for the benefit of all of society.

Professor Bernard Linsky, chair of the U of A philosophy department, agreed with Pelletier and added the business model was a part of life for the contemporary university and that academics, including

philosophers, need to adapt and learn to "speak the language."

"We have to be able to explain to the community why we should be studying philosophy and assume that we're going to have to start that discussion from scratch."

Linsky believes philosophy departments need to get out the message that knowledge of philosophy is a core part of a basic education. Students will be learning their philosophy from someone, and it "may as well be from trained teachers."

The job of conveying that message isn't as daunting as it may seem, adds Linsky, noting the great success the U of A has had with its "Philosophers' Cafés" and other outreach projects. "There is a tremendous demand from the public for free philosophy, and giving the community 'free samples' of our scholarship can't be seen as selling out."

Taking a more pessimistic viewpoint, the University of Toronto's Professor James Brown sees the creeping adoption of the business metaphor in university communities as "very pernicious stuff" that is robbing academics of power.

In particular, Brown sees increasingly financially dependent universities potentially bowing to the demands of private foundations and businesses in regards to research priorities and curricula.

The danger of "banks and private foundations deciding what is good" is a dangerous trend given the historical short-sightedness of business, he says, and poses a particular danger to philosophy. "We're often seen as the most useless people on campus."

Professor John Woods, former president of the University of Lethbridge, noted the irony of a business model being applied in universities by "people who aren't very good at business" and the danger of rash deals with business interests.

"If you lie down with dogs, you'll get fleas," he explains. "In the months and years ahead, as we discover that governments are not going to be willing to pay our bills, we're going to have to make deals, and if we can't pick out the dogs, then we must be simpletons. As Emeril Lagasse (a flamboyant American TV host and chef) says, 'It's not rocket science'."

In the end, Woods underlines the reality that academics will also have to stand up for their rights if they don't like what their political "masters" and business "partners" have in store for them. "We have to go beyond the platitudes—despite the fact these platitudes are often true."

One such platitude is a concern for the historical integrity of the discipline, added University of Calgary Professor Emeritus Kai Nielsen.

Not only does Nielsen see the business model as bad for education in general; he believes the "great dead philosophers" would be dismayed to see philosophy departments run like businesses.

"We're running the risk of confusing training and education," he explained. "Business wants us to produce docile workers who don't think carefully and won't question the neo-liberal order. This push for more service courses is moving us away from core offerings and is taking away from the integrity of the discipline."

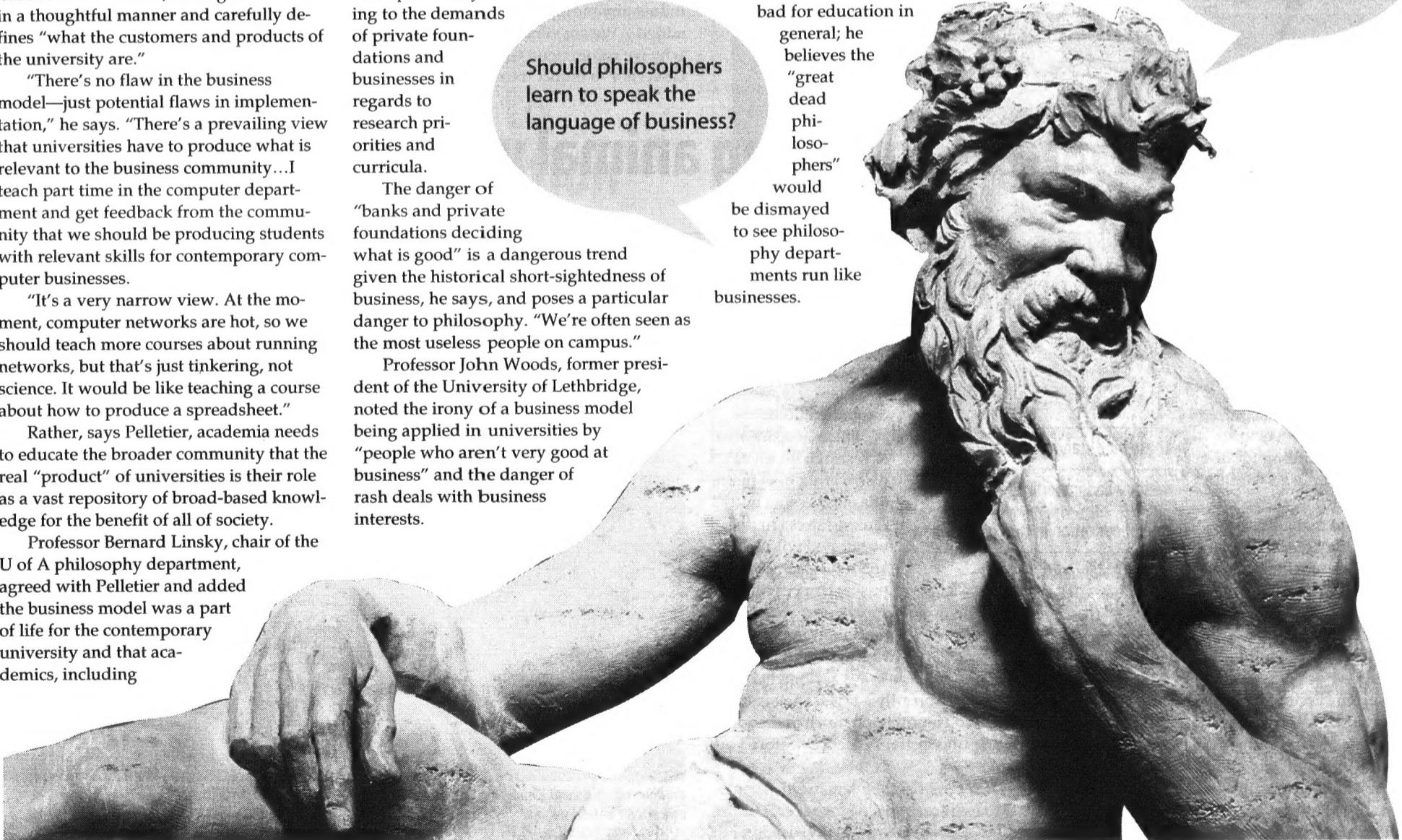
The goal of universities, says Nielsen, is to produce educated human beings and "not just trained specialists."

Ironically enough, Nielsen believes the business community itself can be a powerful ally in the lobby to return universities to a more classical model of education and away from the limits of the business model.

"Capitalism needs an educated workforce," he concludes. "We can hold this need over the business world as leverage." ■

Could adopting the business metaphor ultimately rob academics of power?

Would the "great dead philosophers" turn in their graves to see their discipline run like a business?



The genome project: can genetics save us?

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Guest Scholar: Laura Shanner, John Dossetor Health Ethics Centre

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Immune cell breakthrough built over many years

By Ryan Smith

University of Alberta medical researchers are celebrating again. This time it's Dr. Chris Bleakley and his research team, who have found an answer to a mystery that may lead to more effective treatments for cancer and other diseases. The biochemists have discovered how some diseased cells avoid being killed even after our immune system's destroyer cells act on them.

"We're convinced this is the beginning of a wide range of research we hope will develop into drugs and concepts to kill cancer cells, and treat organ transplantation rejections," said Dr. Bruce Motyka, a researcher in Bleakley's lab and the lead author of a paper published last October 27 in *Cell*, a prestigious medical journal.

Amid a media whirlwind Wednesday touched off by a front-page article in the *National Post* trumpeting his team's research success, Bleakley said he was "shell-shocked" by the sudden attention.

"You work for a long time, many years, and then to have a success like this and an article published in *Cell*—it's like winning a gold medal in the Olympics in world-record time. It's incredible. We didn't set out with a specific goal in mind;

it started with a basic curiosity and was built from pure research," Bleakley said.

Specifically, Bleakley's team has built on the discovery made in his lab 10 years ago of granzyme B, a molecule in immune system killer cells. The killer cells attach to diseased cells, injecting granzyme B into them. The granzyme B then triggers the bad cell's self destruction. Bleakley and his team have discovered how certain cancer tumour cells maintain fewer receptors for granzyme B and therefore evade the molecule's deadly effects.

Bleakley said his team's research success has come from collaboration with other U of A medical researchers spanning many fields. He named, among many, Dr. Greg Korbutt, who is also a member of the award-winning diabetes islet-cell treatment research team, and Dr. Charles Holmes, whose novel enzyme research, "allowed us to get important clues to the nature of what our research really was," said Bleakley.

"We started on this specific research in the spring of 1999, but our hypothesis was built upon the work and research of many PhD students and researchers who have



Irene Shostak with Drs. Bruce Motyka and Chris Bleakley: "shell-shocked" by the sudden attention.

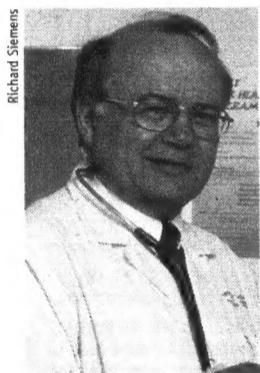
worked in this area over a number of years," Motyka said.

"Usually you get a lot of failure before you get success," said Irene Shostak, a technician who has worked at the U of A for 26 years and with Bleakley for the last 12.

"Many years of assaying and a lot of collaboration have gone into this discovery." ■

Dean of medicine awarded Alberta's top honour

By Ryan Smith



Dr. Lorne Tyrrell has added another distinction to his long list of achievements. He has received the Alberta Order of Excellence, the province's highest honour, as a tribute to his accomplishments in medical

teaching and research.

Tyrrell, dean of the University of Alberta's Faculty of Medicine and Dentistry, led a team of researchers that developed, in 1993, a successful antiviral therapy to treat chronic hepatitis B, which affects 300-350 million people. A professor at the U of A since 1976, he won the Rutherford Undergraduate Teaching Award in 1990 and the University Cup for excellence in teaching and research in 1999.

"Throughout his career, Dr. Tyrrell has devoted his life to teaching and research," said Samuel Lieberman, chair of the Alberta Order of Excellence nomination committee. "And his work has benefited people not only provincially, but also nationally and, indeed, internationally."

"There is no obligation on our part to induct anyone annually," Lieberman added. "We are very circumspect about who we recommend to the Lieutenant Governor to induct into the Order."

"I've had the fortune of meeting Dr. Tyrrell a few times," said Lt.-Gov. Lois Hole. "And every time I've met him he impresses me more—he is so unassuming and modest for one who has accomplished so much...He's a true example and a great representative of what it means to be both a great Canadian and Albertan."

Joining Tyrrell and the 41 previous inductees into the Order are Jenny Belzberg, a philanthropist, and Dr. Chester Cunningham, a champion of First Nations causes. ■

Hyndman Awards: Promoting animal welfare in research

By Gilbert A. Bouchard

A professor looking for ways to improve the handling of alternative livestock and a technician who takes care of hundreds of laboratory mice are winners of this year's Louis D. Hyndman Sr. Awards.

Dr. Robert Hudson, professor of renewable resources, was recognized for his work developing codes of handling for domestically raised wildlife. Elaine Moase, the technician who manages the day-to-day research for Dr. Theresa Allen's laboratory in the Department of Pharmacology, was also honoured.

Given the central role they play in the University of Alberta's research success, it's critical animals be treated with the highest standards of welfare, said Vice-President (Research) Roger Smith at the presentation of the awards Oct. 23.

"The Hyndman Award recognizes these high standards of animal welfare and underlines the on-going role of education in the continuation of these standards," said Smith.

Established in 1994 by the Animal Policy and Welfare Committee, the Hyndman Awards are presented annually to a primary researcher and a technician for significant contributions to the welfare of animals used in university research and teaching.

Hudson, also associate dean of academic programs, said he's watched the

alternative livestock industry—which domesticates bison, elk and deer—mature considerably since beginning his research at the U of A in 1974. "It's rewarding to see the industry continually improve conditions for animals coaxed into this world (domestication)."

Hudson's key area of research involves discovering new methods of assessing and ranking stress in domesticated wildlife and developing new husbandry practices—such as less stressful, gradual weaning procedures—to reduce it.

"In the past it was always assumed you had to wean abruptly—this is the big danger, that you assume too much and end up adopting (ineffective) practices before you realize it."

A veteran of eight years in Dr. Allen's lab, Moase is responsible for several hundred laboratory mice annually, used in several fields of medical research for the large, international research group (nine to 15 scientists).

"It's my job to make sure that everyone working with the animals has had adequate training, and I liaise closely with our animal services people (Health Science Laboratory Animal Services)," explains Moase. "Because we have so many researchers from all over the globe with a wide range of attitudes, it's very important we have respectful animal welfare regulations."



Dr. Robert Hudson and Elaine Moase, recipients of an award commemorating Louis D. Hyndman Sr.'s life-long concern for animal welfare.

Sponsored by the Office of the Vice-President (Research), the Hyndman Awards and annual lectures—named for the father of Chancellor Emeritus Louis Hyndman—commemorate the senior Hyndman's life-long concern for animal welfare. The keynote speaker for the 2000 Hyndman lectures was Dr. David B. Morton, a leading British researcher who's served on numerous international committees involved in animal and human research.

Morton talked about the historical context of animal welfare research from the age of St. Thomas Aquinas to the present day. He also discussed the growing realization in the scientific community that more humane treatment of animals invariably leads to improved science.

"Good animal health and welfare lead to better science, less animals being needed for research and much better economic value," said Morton. ■

Case of conjoined twins poses murky ethical dilemma

Dr. Glenn G. Griener, John Dossetor Health Ethics Centre

In earlier times, medical curiosities, such as so-called Siamese twins, were put on display as public entertainment. Today our attention is drawn to medical ethical curiosities. But there is a danger

we use such cases merely as a form of entertainment. Such is the case of Mary and Jodie, the conjoined twins born on the Mediterranean island of Gozo whose fate is now being determined by judges and doctors in Great Britain.

The facts of the case are simple. If an operation to separate the twins is performed, Mary will die immediately and there is every prospect Jodie will survive to enjoy life. If the operation is not performed, both Mary and Jodie will die within a matter of months. Mary and Jodie's parents refused to authorize the surgery. This decision was challenged in the courts. The Court of Appeals ruled that the surgery could proceed despite the parents' objections. (As I write, there is a possibility the judicial decision will be appealed to the House of Lords.)

The ethical issues are awful. This is a dispute which seems to turn on fundamentally opposed moral views.

The Court of Appeals takes a consequentialist approach to reach its

The ethical issues are awful. This is a dispute which seems to turn on fundamentally opposed moral views.

judgement. To its credit, the court rejected all pretense surgical separation would be inconsequential to Mary. It judged the operation would clearly be contrary to Mary's interests. Equally clear is that the surgery would be in Jodie's best interests. How can such a tragic conflict of interests be resolved? In the court's judgement, only by choosing the course of action which produces the better outcome: one death now rather than two deaths a few months later.

What parents ought to do, argues the court and what this couple has failed to do, is choose the course of action promising the best outcome possible in this terrible situation. When forced by nature to choose between saving Jodie's life or allowing both Mary and Jodie to die, the parents must choose the former outcome. And they must so choose even if the only means to this end is surgery which will cause Mary's death.

One problem with making treatment decisions in the judicial system is that the process leaves little room for admitting the existence of deep, perhaps intractable moral difference. The process forces closure to the debate. Those who reach an opposed conclusion must be shown to be wrong. The real danger is that the closure will be premature, brought about only by misrepresenting others' fundamental moral beliefs.

In the present case the parents, and by implication anyone who supports their decision, must be shown to suffer some

form of moral blindness or to have committed some error in their moral reasoning. The Court of Appeals decision suggests a number of possible errors: the parents failed to recognize their duty to save Jodie, or failed to fully appreciate the consequences of their decision, or are inconsistent in their respect for life.

But it is far from clear to me that Mary and Jodie's parents and their supporters must suffer such blindness or be guilty of any inconsistency of moral view. It is entirely possible the parents fully accept their duty to strive to save Jodie's life, but also recognized a more stringent duty not to cause the death of Mary. Perhaps they believe there are some actions—such as causing the death of another human being—which are morally unacceptable even if they bring about the best possible consequences in the situation. Perhaps, that is, they simply refuse to accept the court's consequentialist approach to moral decision-making.

Most media accounts offer us little additional help in understanding the parents' moral objection to the operation. The typical approach is to blandly describe

their decision as one based on their religious beliefs. Little attempt is made even to explain those religiously based moral beliefs. The message seems to be that it is futile to try to understand an issue when religion is involved. Where the courts may misrepresent the deep moral issues, the press tends to ignore them altogether.

Are there alternative ways to resolve such difficult cases?

The first and most crucial step is to achieve a sympathetic and accurate understanding of the parents' moral views, of the justification they can offer. In some instances this justification will be convincing.

The first and most crucial step is to achieve a sympathetic and accurate understanding of the parents' moral views, of the justification they can offer.

In others (and I believe the case of Mary and Jodie is one of these others) we will discover a very deep difference over how to go about offering a moral justification. When this happens, it is better simply to recognize the limits of our ability to find a reasoned consensus. Rather than

imposing on our fellow citizens a moral approach they find offensive, perhaps it is a better social policy to allow those most closely involved to make decisions in keeping with their conscientious beliefs. ■

Report urges changes to finance and administration

President Fraser says he plans to act on recommendations

By Andrew Leitch

The university's finance and administration portfolio could undergo significant change in the next 18 months following the release of an advisory committee report, according to an Oct. 30 campus memo released by President Rod Fraser. The report, presented to Fraser earlier this month, contained four key recommendations. They include:

1 Changes to structure and/or resourcing of the portfolio, including more logical grouping of departments/units to achieve a more integrated and effective approach to planning, management and delivery of related services. Specifically, it was felt consideration should be given to reinstating the fourth associate vice-president position, with responsibility solely for the Physical Plant.

1 Improved communication within the portfolio—with a focus on listening and responding to the concerns and comments of clients and system users, including faculty, staff and students—and fostering of discussion within the portfolio so everyone is clear as to what actions were taken.

2 Expanded and strengthened initiatives to move toward a "service culture."

3 Any steps possible to boost the usability and speed of the PeopleSoft system for all users.

The review was called for by Fraser in the summer and invited input from all

staff. The committee comprised nine members representing administration, academic and non-academic staff, as well as one member of the Board of Governors, a member of the external community and student representatives.

In his memo, Fraser said the committee reviewed input from 13 external suppliers, 10 individuals with the finance and administration portfolio and more than 100 letters and e-mails from members of the university community including deans, chairs, non-academic staff, faculty and APOs.

Speaking from his office Oct. 30, Fraser said he is pleased with the review. "What [the committee] did was provide an extraordinarily thorough review because of the input from the community. And each member did a lot of work looking at the present state of the portfolio and future prospects," he said.

Fraser says he intends, along with Vice-President (Academic) and Provost Doug Owram and Acting Vice-President (Finance and Administration) Al O'Brien, to follow through with recommendations produced by the review. O'Brien, whose 18-month term began Nov. 1, was not available for comment this week, but his executive assistant, Donna Herman, said O'Brien had already scheduled meetings with university deans.

"He knows their concerns, now he wants to find out what works for them and how best to move forward," she said. ■



Joanne Forberg, accounting clerk, and Charon Sira, senior accountant, gift planning (with Margot Bell of Housing and Food Services) take a break from a busy day in the Office of Development to stock up on pumpkins at the Halloween pumpkin sale in HUB Mall. The event was held Oct. 26 and 27 by the HUB Community Association and Housing and Food Services. Some two hundred pumpkins were sold, one hundred of them donated by Hole's garden centre, raising more than \$670 for the university's United Way campaign.

President Fraser appointed to Ontario education task force

By Lucianna Ciccioppo

Of A's president, Dr. Rod Fraser, has been appointed to an Ontario task force looking at ways to ensure students continue to have "access to affordable, high-quality education in the 21st century."

The Investing in Students Task Force will study college and university administrative operations across the province, examine options for shared services and identify best practices for administrative functions, such as information technology, procurement and data collection.

Task force director Barry Pervin said Minister of Training, Colleges and Universities Dianne Cunningham was looking for

a broad cross-section of administrators for the task force. "The University of Alberta has a very strong reputation, and I'm sure that factored into the decision," he said.

The four other task force members are Jalynn H. Bennett, president of the consulting firm Jalynn H. Bennett and Associates Ltd.; Jean Bédard of Sotos Associates Barristers and Solicitors in Toronto; Ray Ivany, president and chief executive officer of Nova Scotia Community College; and Courtney Pratt, president and chief executive officer of Hydro One Networks Inc.

The task force plans to submit its report in Jan. 2001 after consulting with post-secondary stakeholders. ■

U of A alumna's art inaugurated on Parliament Hill

Prime minister, governor general and host of celebrities pay tribute to sculpture celebrating the "Famous Five"

By Ryan Smith and Geoff McMaster

University of Alberta alumna Barbara Paterson's bronze statues of the "Famous Five" were inaugurated Oct. 18 in their new official home on Parliament Hill in Ottawa.

Prime Minister Jean Chretien, Heritage Minister Sheila Copps, Governor General Adrienne Clarkson and Chief Justice Beverly McLachlin were among the dignitaries on hand at the inauguration, which included performances by Raylene Rankin of the Rankin Family and actor Shirley Douglas (as Nellie McClung).

"It was so spectacular and there was a huge crowd. Everybody and their dog was there," said Paterson, who graduated twice from the U of A, once in 1957 with a diploma in arts, and again in 1988 with a degree in fine arts. "The monument looks so good with so much space around it. And what a reaction – people were just stunned by it. They were standing around teaching each other about the Famous Five."

Paterson said she was the centre of attention at no less than seven functions during the "Celebration of Canadian Women as Nation Builders," including one at which she met Margaret Trudeau. "She threw her arms around me and practically

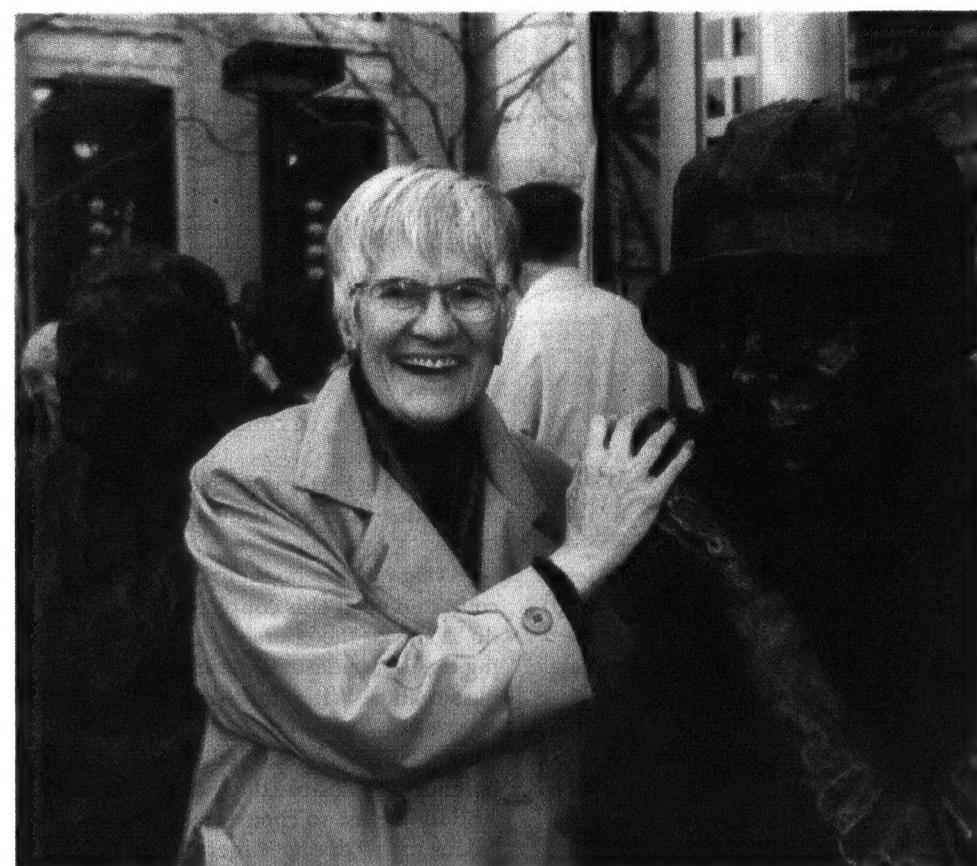
wrestled me to the ground... and told me, 'what a wonderful piece!.' I thought she was going to flip me over," said Paterson.

Paterson's larger-than-life statues commemorate the five women—Emily Murphy, Louise McKinney, Nellie McClung, Henrietta Muir Edwards and Irene Parlby—who took their case to the British Privy Council, where they won the right for women to be recognized as "persons" and hold seats in the Senate. The historic decision marked the right of all women in the Commonwealth to participate in all areas of public life.

Like her "Famous Five" forebears, Paterson herself is something of an Alberta original, as her sculptures are the first by a woman—and the first done of women (excepting royalty)—to appear on Parliament Hill. She was commissioned to carve the statues after winning a national competition for the job. A copy of her monument was first unveiled in Oct., 1999 in Calgary. The figures depict the five women celebrating news of their landmark triumph over tea in 1929.

In a video celebrating her induction into the U of A Alumni Wall of Recognition last month Paterson said she believes,

[Margaret Trudeau] threw her arms around me and practically wrestled me to the ground... and told me, 'what a wonderful piece!.' I thought she was going to flip me over."



Barbara Paterson with the "Famous Five" in Calgary.

"the opportunity to do this work has made me a better person. I can better appreciate the struggles women have gone through now that I've done this."

Paterson was also recently selected by Leslie MacDonald of ITV Television as a Woman of Vision. A feature on the artist will air on the station Nov. 13. ■

NOMINATIONS FOR ACADEMIC STAFF TO SERVE ON THE BOARD OF GOVERNORS

Two academic staff representatives serve on the Board of Governors on nomination by General Faculties Council. As of January 1, 2001, there will be a vacancy on the Board of Governors for one academic staff representative. This position is currently held by Dr W Allegretto, Department of Mathematical Sciences. The other academic representative on the Board is Dr Fordyce Pier, Chair, Department of Music. An election will now take place to fill the upcoming vacancy on the Board of Governors.

The procedures which govern this election are contained in Section 22 of the GFC Policy Manual and are available from the University Secretariat, 2-5 University Hall, and on the World Wide Web (www.ualberta.ca/~unisecr/). These regulations provide that "the two academic staff members who serve on the Board of Governors must come from Category A1.0, at least one of whom shall be a member of Category A1.1 who does not hold one of the following administrative positions at the time of the initial nomination: Vice-President, Associate or Assistant Vice-President, Dean, Director of Native Studies, Associate or Assistant Dean, or Department Chair." Category A1.0 includes all staff who are continuing full-time and part-time Faculty, APOs, FSOs, Librarians, and Soft-Tenure Faculty. Nominees must be employed in Category A1.0 throughout the term of appointment to the Board and, in addition, must be willing and able to serve for the full term of appointment on a continuous

basis. A full term on the Board is normally three years. If there is a question about a candidate's eligibility, the GFC Executive will decide." Since Dr Fordyce Pier holds an administrative position, the vacancy to be filled is open to any member of Category A1.0 who does not hold an administrative position.

THE NOMINATION PROCEDURES ARE AS FOLLOWS:

1. Nominations may be submitted in writing to Ellen Schoeck, Secretary to GFC, 2-5 University Hall.
2. Nominations must be RECEIVED in the University Secretariat no later than 4:30pm on Tuesday, November 28, 2000.
3. Nominations must be supported by the signatures of five full-time or part-time continuing academic staff (other than the nominee).
4. Nominees must be willing to serve and normally serve a three-year term on both the Board and General Faculties Council.
5. A biographical sketch of the nominee should accompany the letter of nomination.

As the University Secretariat receives nominations, the names will be posted on the University Secretariat website at www.ualberta.ca/~unisecr/.

Any questions about these procedures should be directed to Ellen Schoeck at 492-5430 or on e-mail (ellen.schoeck@ualberta.ca).

NEW APPOINTMENT



Alberta Heritage Foundation for Medical Research



Dr. Cled Lewis
AHFMR Board of Trustees

The Alberta Heritage Foundation for Medical Research (AHFMR) is pleased to announce a new appointment to its Board of Trustees. Dr. Cledwyn (Cled) E. Lewis was appointed by the Lieutenant Governor of the Province of Alberta by an Order in Council September 6, 2000.

Dr. Lewis has lived in Grande Prairie for the past 26 years. He was trained as a physician at the Wales National School of Medicine after which he served for six years in the British army. There, he was involved in various fields of medicine including tropical medicine, military medicine, obstetrics and gynecology, surgery, and family medicine, before bringing his broad range of experience to Northern Alberta. He joined the Grande Prairie General Hospital and then, the Queen Elizabeth II Hospital, where he made valuable contributions in senior medical staff positions.

Dr. Lewis is currently the Medical Director of Grande Prairie and Region Emergency Medical Services and a member of the Government Ambulance Advisory & Appeal Board as well as the coordinator of Continuing Medical Education, Grande Prairie and Region. An active member of his community, Dr. Lewis is a founding member of both the Grande Prairie Polo Club and the Grande Prairie Rugby Club, and is a member of the Prairie Art Gallery. He is also involved in charitable projects in Ghana, West Africa.

Since 1980, The AHFMR has awarded more than \$600 million to researchers at the University of Alberta, the University of Calgary, the University of Lethbridge and their affiliated institutions. Heritage scientists recruited in Alberta, from other parts of Canada and from around the world are earning international acclaim for their research advances in such fields as heart function, genetics, cancer, diabetes, and population health. Heritage researchers attract \$2-3 in outside funding for every AHFMR dollar received.

AHFMR was highly commended for its record of achievements and the excellence of its activities throughout the province in a Report prepared by members of an International Board of Review in December, 1998. ■

Oh! You brought a laptop! Well, I guess we can all gather around then...



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Fifth University Cup goes to Orlando Project researcher

Henry Marshall Tory Professor calls it a vote of confidence for "beleaguered" humanities

By Gilbert A. Bouchard

For Dr. Isobel Grundy, winning the University Cup, the University of Alberta's highest honour for teaching and research excellence, is not only a deep personal honour but a vote of confidence for scholarship in the humanities.

"I'm really delighted to win and think it's a great honour," says Grundy, the university's Henry Marshall Tory Professor and one of three directors of the Research Institute in Women's Writing. "It's a great boost for our research, especially at this time when the humanities are particularly beleaguered."

The University Cup, awarded to Grundy Sept. 6 at the annual Celebration of Teaching and Learning, was created five years ago to recognize a senior professor for both outstanding teaching and research. A former faculty member of London University (UK), Princeton, Toronto and Oxford, Grundy joined the U of A in 1990, bringing with her considerable expertise about 18th-century literature and women's literary history.

Currently Grundy is hard at work as a co-investigator on the ambitious Orlando Project, a vast interdisciplinary project between the U of A and the University of Guelph. "Sometimes I think we've bitten off more than we can chew," she jokes, explaining that "the immensely complex project" aims to create a massive hypertext resource of women writers from the middle ages to the present. "We're focusing on English women writers, but we're also including some male writers and women from some other countries."

Named after Virginia Woolf's 1928 novel *Orlando*, a deeply literary historical fantasy sprawling the reign of Elizabeth I to 1928, the Orlando Project uses SGML and XML (advanced versions of HTML, or hypertext mark-up languages) to allow researchers to enter searchable tags for "concepts, meanings and even characteristics of texts" in the dozens of individual literary works that will be encompassed by the project.

The project represents quite a leap for the scholars involved, but in many respects wasn't the biggest leap of Grundy's career. For example, the popular instructor and author was past 50 when she moved across the big pond to take on the Henry Marshall Tory Professorship in Edmonton, a decision she called "rejuvenating."

"A move like that really shakes you up and makes sure you aren't just doing stuff by heart," Grundy explains. "I'd recommend it for anyone."

Needless to say, the shift was a dramatic one, as Grundy had been based in London, England for 19 years. But she says Edmonton is a beautiful place to live, embodying "the virtues of both a big city and a small town."

In particular, Grundy loves cross-country skiing, the city's theatre and live music scene and her Saturday morning forays to Old Strathcona's Farmer's Market.

An equine aficionado, Grundy also took riding lessons in her early days in Edmonton, a passion recently underlined by her reading of Jane Smiley's *Horse Heaven*, a "thoroughly enjoyable" novel set in and around an American racetrack.



Henry Marshall Tory Professor and University Cup winner Dr. Isobel Grundy.

The energetic academic is also looking forward to the spring paperback release of her most recent book: *Lady Mary Wortley Montagu: Comet of the Enlightenment*.

Montagu, an accomplished woman of letters, is also famous for having introduced the first folk inoculation for smallpox to England—a revolutionary practice that shook the English medical and theo-

logical communities to their foundations, says Grundy.

Not only did the book allow Grundy to explore a fascinating 18th-century literary figure, it also allowed the eloquent author to indulge in her love of history. "It's always such a wonderful effort to imagine living in a different culture, especially one that is an ancestor of our own culture." ■

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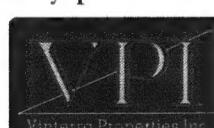
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AGRICULTURAL, FOOD AND NUTRITIONAL SCIENCE AND DEPARTMENT OF MEDICINE

November 29, 11:00 am to 12:00 pm

Dr. Raylene Reimer, University of Calgary, "Nutritional Regulation of GLP-1: A Candidate for the Treatment of Diabetes." Classroom D (2F1.04) Walter MacKenzie Centre.

ALBERTA HERITAGE FOUNDATION FOR MEDICAL RESEARCH

November 8, 11:00 am to 12:00 noon

Dr. Stephen Farrand, Department of Crop Sciences and Microbiology, University of Illinois at Urbana-Champaign, Urbana, Illinois, speaking on "Quorum Sensing in Agrobacterium: Regulation of Ti Plasmid Transfer by Extrinsic and Intrinsic Signals." Room M-145 Biological Sciences Building.

DEPARTMENT OF BIOLOGICAL SCIENCES

November 3, 1:50 pm

Vincenzo deLuca, "Plants as Biochemical Factories: Opportunities for Metabolic Engineering." CMP B 2, Computing Building.

November 3, 12:00 noon

Tim Karels, "Distinguishing regulation from limitation: experimental manipulations in arctic ground squirrel populations." Room M-145, Biological Sciences Building.

November 3, 3:30 pm

Vett Lloyd, "Genomic imprinting - from fat sheep to flies." Room M-149, Biological Sciences Building.

November 8, 12:00 noon

Zhixiang Wang, "The Regulation of Receptor Tyrosine Kinase Mediated Signal Transduction and Endocytosis." Room G-116 Biological Sciences Building.

November 10, 12:00 noon

Julius Csontyi, "Positive effects of trampling on cryptogamic soil crust in Jasper National Park?" Room M-145 Biological Sciences Building.

November 15, 12:00 noon

Tracy Ravio, "The CPX envelope stress response of E. coli." Room G-116 Biological Sciences Building.

November 17, 3:30 pm

Tin Tin Su, "Consequences of damaging DNA in a developmental context." Room M-149, Biological Sciences Building.

BIOMEDICAL ENGINEERING, VIDEOCONFERENCE SEMINAR

November 15, 5:30 pm

Dr. Walter Herzog, Faculty of Kinesiology, University of Calgary, "History Dependent Properties of Skeletal Muscle." Room Civil Electrical Building 231.

CHEMICAL AND MATERIALS ENGINEERING

November 16, 3:30 pm

Robert J. Farrauto, Engelhard Corporation, Iselin, New Jersey, USA, on "Automobile Pollution Control: The State of the Art to the Engine of the Future" (Cross-Canada Lectureship). Room 343, Chemical and Materials Engineering Building.

DEPARTMENT OF COMPUTING SCIENCE

November 6, 3:30 pm

Alan Robinson, on "Computational logic, formal proof, and intuitive reasoning." Room CSC B-2.

FACULTY OF EDUCATION, CENTRE FOR RESEARCH ON LITERACY

November 17, 3:00 pm

Jim McClay, "Illustration in the Writings of Young Adolescents." Room 651a Education South.

FACULTY OF EDUCATION, CENTRE FOR RESEARCH FOR TEACHER EDUCATION AND DEVELOPMENT AND DEPARTMENT OF EDUCATIONAL POLICY STUDIES

November 9, 12:30 - 2:00 pm

Dr. Noeline Alcorn, School of Education, University of Waikato, New Zealand, on "Teacher Education in New Zealand - Policy and Practice." Room 633 Education South.

FACULTY OF EDUCATION, SECONDARY EDUCATION

November 6, 12:00 - 1:30 pm

Speakers: Dr. David Blades, Dr. Ingrid Johnston and Dr. Elaine Simmt, on "Perceptions of Ethnocultural Diversity and Secondary School Curriculum." Room 122, Education South. All are welcome. Refreshments will be provided.

ENVIRONMENTAL, RESEARCH AND STUDIES CENTRE

November 9, 4:30 pm

Dr. Suzanne Bayley, U of A and Mr. Archie Landals, Planner, Parks and Protection, Alberta Environment. "Protected Areas Creation in the Foothills: The Spatial Places Process, Problems and Progress". Alumni Room, Students' Union Building.

November 16, 4:30 pm

Dr. Steve Herrero, University of Calgary, on "Managing People: Maintaining Grizzly Bears." Alumni Room, Students' Union Building.

DEPARTMENT OF HISTORY AND CLASSICS

November 3, 1:00 pm

Daniel Woolf, Professor of History, McMaster University, on "Ancestry, Honour and Authority in Early Modern England." Room 2-58 Tory Building.

November 16, 3:30 pm

Ken Sylvester, Notley Post-Doctoral Fellow, on "Roots of the New Ethnicity: Rural Landownership in Western Canada, 1901." Room 2-58 Tory Building.

DEPARTMENT OF HUMAN ECOLOGY

November 7, 12:30 - 1:30 pm

Irene Karsten, "The Complexity of White Glue: Unraveling the Structure of Textile Artifacts Treated with Adhesives." Room 104, Human Ecology Building.

JOHN DOSSETOR HEALTH ETHICS CENTRE

November 17, 12:00 noon

Dr. Glenn Griener, "Developing Conceptions of Justice in Research." Room 207, Heritage Medical Research Centre.

MEDICAL GENETICS ROUNDS

November 8, 12:00 noon - 1:00 pm

Dr. Terry Klassen, on "Cochrane Collaboration and the Human Genome Project: What do they have in common?" Room 2-07, Heritage Medical Research Centre.

DEPARTMENT OF PHILOSOPHY

November 3, 3:30 pm

Cressida Heyes, speaking on "Feminist Solidarity After Queer Theory: The Case of Transgender." Room 4-29 Humanities Centre.

November 17, 3:30 pm

Robert Wilson, speaking on "The Individual in the Fragile Sciences." Room 4-29 Humanities Centre.

DEPARTMENT OF POLITICAL SCIENCE

November 10, 3:00 pm

Himani Bannerji, Department of Sociology, York University, "Making India Hindu and Male: Cultural Nationalism and the Emergence of the Ethnic Citizen in Contemporary India." Lecture Room TBW 2.

DEPARTMENT OF PUBLIC HEALTH SCIENCES

November 9, 12:00 noon

Dr. Ben Muneta, on "Diabetes Epidemiology among Native Americans in the US." Classroom F, 2J4.02 Walter MacKenzie Centre.

November 16, 12:00 noon

Dr. Stephen C. Newman, on "Poisson Regression." Classroom F, 2J4.02 Walter MacKenzie Centre.

RENEWABLE RESOURCES

November 9, 12:30 pm

Dr. Lee Foote, on "When Is Lost Habitat Really Lost? Disturbance from Demure to Draconian." Room 2-36 Earth Sciences Building.

November 16, 12:30 pm

Ms. Fervone M. Holowenko, on "Methanogenesis and the Oil Sands Fine Tailings Waste." Room 2-36 Earth Sciences Building.

DEPARTMENT OF RURAL ECONOMY

November 6, 3:15 pm

Kevin Chen, "Health Risk, Information, and the Canadian Decision to Eat Healthy." Room 550, General Services Building.

SCIENCE

November 16, 8:00 pm

Six Canadian-born science Nobel Laureates will tell their stories and answer questions—David Hubel (1981, medicine), Henry Taube (1983, chemistry), Sidney Altman (1989, chemistry), Richard E. Taylor (1990, physics), Rudolph Marcus (1992, chemistry), and Bertram Brockhouse (1994, physics). ATA Science Council Conference 2000, Hall C, Shaw Conference Centre. Tickets (\$12) through Ticket Master. For more information, call Dr. Frank Jenkins, 492-7500, ext. 242.

UNIVERSITY TEACHING SERVICES

November 3, 12:00 - 1:00 pm

Bente Roed and Margaret Wilson, "Learning Circle." Room 219, Central Academic Building.

November 6, 4:15 - 6:15 pm

Katy Campbell, "Instructional Writing for Web Courses." Technology Training Centre.

November 7, 3:30 - 5:00 pm

Dorothy Tovell, "Teaching Science to Diverse Populations." Room 281, Central Academic Building.

November 9, 4:15 - 6:15 pm

Greg Cole, "From Course Notes to Slide Show." Technology Training Centre.

November 15, 4:15 - 6:15 pm

Greg Cole, "Managing Student Marks with MS Excel." Technology Training Centre.

OUTSTANDING CONTRIBUTIONS TO STUDIES IN HIGHER EDUCATION

Dr. Edward Holdaway, professor emeritus in the Department of Policy Studies (administration and leadership), received the Distinguished Member Award for 2000 from the Canadian Society for the Study of Higher Education at its annual meeting in Edmonton. The award recognizes substantial contributions to the study of higher education over a long period of time as well as his influence on post secondary education in Canada.

AVANTI AWARD IN LIPIDS

Dr. Ronald McElhaney of the Department of Biochemistry has won the Biophysical Society's 2001 Avanti Award in Lipids. McElhaney has contributed greatly to an understanding of the phase behaviour of lipids, including work on the behaviour of those chemically synthesized. He is also a pioneer in the area of lipids in biological membranes. The Avanti Award, established by Avanti Polar Lipids, Inc., is handed out each year for seminal studies in lipid metabolism, lipid enzymology or lipids in membranes.

events

EXHIBITION

BRUCE PEEL SPECIAL COLLECTIONS LIBRARY

On view from September 15 to December 20, 2000
Studious Youth and Imperial Adventure. The George James Collection of Children's Books. For more information please contact Jeannine Green, Assistant Special Collections Librarian, 492-7928.

EXHIBITION

UNIVERSITY EXTENSION CENTRE GALLERY

Until December 15, 2000
Mechanics of Vision - Drawing in Alberta. Drawings from some of Alberta's prominent artists and the collection of Alberta Foundation for the Arts. Reception: Thursday, November 16, 2000 at 5:00 pm. Gallery hours are from 8:30 am to 8:00 pm Monday to Thursday, 8:30 am to 4:30 pm Friday, and 9:00 am to 12:00 noon Saturday. Second floor, University Extension Centre, 8303 - 112 Street. Information: 492-3034.

OBSERVATORY

Campus Astronomical Observatory is open to the campus community and the general public every Thursday evening (except exam and holiday periods) beginning at 8 pm. Entrance to the Physics Building is via the northeast door or via the V-wing. For information call 492-5286.

CAREER AND PLACEMENT SERVICES

ENCS & RENEWABLE RESOURCES.

Tuesday, November 7 at 5:30 pm,
Central Academic Building, room 265. Tickets \$4.00 at CAPS, \$5.00 at the door.

NURSING CAREER FORUM,

Wednesday, November 8 at 5:30 pm.
Alumni Room, Main Floor, Students' Union Building. Tickets \$3.00 at Department of Nursing. Pizza and Pop.

CENTRE FOR EXECUTIVE AND MANAGEMENT DEVELOPMENT

CENTRE WILL BE HOSTING THE 5TH ANNUAL WORLD WIDE LESSONS IN LEADERSHIP

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at the Telus Centre. This live via satellite event will include presentations by Nelson Mandela, Stephen Covey, Tom Peters, Don Tapscott, Martha Rogers and Martha Stewart. Tickets are \$295 plus tax. Please call (780) 492-3860 or visit www.ualberta.ca/cemd for more information.

MCCALLA PROFESSORSHIPS: SMALL FACULTIES COMMITTEE

Applications are invited from continuing faculty from the Faculties of Extension, Law, Nursing, Pharmacy and Pharmaceutical Sciences, Physical Education and Recreation, Rehabilitation Medicine, Faculté Saint-Jean, School of Native Studies, Interdisciplinary Research Units.

These prestigious awards provide full-time teaching relief for the period September to April to enable recipients to pursue a research project in Edmonton.

Application information is available from deans' Offices.

Applications must be received by the associate vice-president (academic) by December 1, 2000.

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PRIZE-WINNING POSTER

Dr. Mustafa Alam, a research associate in the Department of Biochemistry, Dr. Dennis Vance of biochemistry and Dr. Richard Lehner of the Department of Pediatrics have received first prize for a poster presentation at the 41st International Conference on the Biochemistry of Lipids in Halle (Saale), Germany, September 13-16, 2000. The poster, entitled Expression and purification of human TGH in Baculovirus infected SF-9 cells: Identification of Ser221, Glu354 and His468 as active components of the catalytic triad, was selected for scientific quality and content from 155 submissions.

HONORARY DOCTORATE

Dr. John Shaw of the Department of Earth and Atmospheric Sciences was awarded an honorary doctorate in science by his alma mater, the University of Reading, England. Shaw was recognized for his work in the fields of glacial geomorphology and sedimentology, including a reinterpretation of the prairie landscape in terms of gigantic glacial floods. His research has implications for climate and sea level changes.



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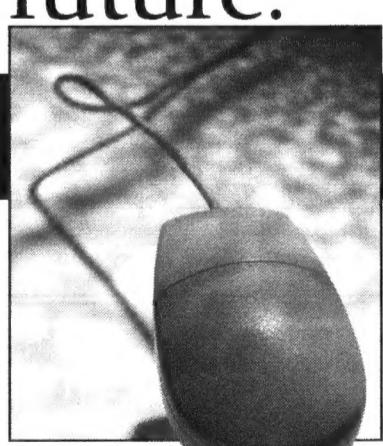


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"Research Works" launched

By Ryan Smith

A host of government officials visited the University of Alberta's Faculty Club Wednesday afternoon to congratulate the U of A for its many recent research success stories.

The event launched the seventh annual edition of "Research Works," a publication that highlights how the U of A has become, in the words of event speaker Jim Edwards, "the most vital and valuable corporation in Edmonton."

Edwards, president and CEO of Economic Development Edmonton, said there was a time not too long ago when the university and the local business community

"shared the North Saskatchewan River, but not much else."

Now, however, U of A research is responsible for the creation of more than 11,200 direct and indirect jobs in the province, said Alberta Minister of Science and Innovation Lorne Taylor.

"We are absolutely a research powerhouse, or juggernaut, if you will, and we must continue to work arm-in-arm with the granting organizations and the powerful private sector to become the leading research institution in this country, as we all believe we can," said President Rod Fraser. ■

positions

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The University of Alberta seeks an energetic, service-oriented professional to manage the Communications Unit within the Office of the Registrar and Student Awards.

The Office of the Registrar and Student Awards provides student and academic support systems to the university community. The assistant registrar communications reports to the associate registrar and director of admissions and manages a unit of three staff members.

This position provides leadership through the development of communication strategies for the Office of the Registrar and Student Awards in the areas of recruitment, enrolment, and retention of undergraduate students. The incumbent serves as a consultant to all units of the office in enhancing communications, advertising and promotional effectiveness through the use of new and emerging technology. Major areas of responsibility include the publication of the University Calendar, the Registration Procedures Manual, Spring and Summer Guide and other undergraduate awards and recruitment material; national and international advertisements; the convocation program and degree parchments; and shared responsibility for the design and accurate contents of the registrar's Web site.

The successful candidate will have a thorough knowledge of all processes involving print, visual and electronic communications, and expertise in writing and editing. She or he will have strong managerial, organizational and project management skills and the ability to work collaboratively with people at all levels of the university community and with internal and external suppliers. A working knowledge of French would be an asset.

The closing date for the receipt of applications is Nov. 15, 2000.

This is an Administrative Professional Officer position with a salary range from \$39,866 to \$63,120. A letter of application, résumé, and a list of three professional references should be sent to: Carole Byrne, Associate Registrar and Director of Admissions, Office of the Registrar and Student Awards, University of Alberta, Edmonton, Alberta T6G 2M7.

STRATEGIC POLICY ADVISOR OFFICE OF THE PRESIDENT

The University of Alberta is one of Canada's largest and most advanced full-service, research intensive universities. Over 30,000 students are served by more than 4,500 courses offered in 16 Faculties. The University of Alberta's vision is to be indisputably recognized, nationally and internationally, as one of Canada's finest universities and amongst a handful of the world's best. The university plays an integral role in the educational, business and cultural life of Alberta through the impact of its integrated mandate of teaching, research and community service.

Reporting to the president, the strategic policy advisor is responsible for providing direct support to the president on policy initiatives, research partnerships, government relations, international initiatives, fund development, key donor/alumni relationships and general administrative/executive issues. The advisor will develop a thorough understanding of the priorities of the president and will communicate priorities as appropriate to various stakeholders, both internal and external. The strategic policy advisor will support cooperative initiatives with key personnel in the operating functions on campus focussed on achieving the comprehensive, integrated university

vision and strategy. The strategic policy advisor will serve as a support for and liaison to the president for the four vice-presidents (academic, research, finance & administration, external relations) as well as for the other key portfolios including the Board of Governors, Senate, governing committees and internal and external community representatives.

As the ideal candidate for this position, you will have an undergraduate degree (masters degree or PhD desirable) and a solid record of professional accomplishment in positions involving a combination of responsibilities including strategic policy initiatives, strategic partnership development, government relations, and/or international initiatives. You will excel in a team-oriented environment and will work with the strong team assembled in the Office of the President toward ensuring the highest level of support for the president and his activities. Diplomacy, strong interpersonal and communication skills and the ability to work cooperatively with a broad range of individuals are essential assets for the strategic policy advisor.

To become a key member of the university's senior leadership team, send your résumé to Mr. K. Darwin Park or Ms. Pam Sprague, Davies Park, 904 Oxford Tower, 10235 – 101 Street, Edmonton, Alberta, T5J 3G1; Fax: (780) 426-2936; E-mail: HtmlResAnchor@daliespark.ab.ca. Visit our Web site at www.daliespark.ab.ca for a copy of the position profile.

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The ideal candidate will be first and foremost an effective communicator and a solid business manager. Extensive experience in publishing, either trade or scholarly, will be a definite asset. Additionally, if you are conversant with other aspects of the publishing business, including marketing and distribution of product, this could prove to be a rewarding opportunity. From an academic perspective, you will need to be sensitive to the needs of scholarship as well as to the demands of the trade, and have the ability to attract and work with a variety of authors. Similarly, you will bring strong management capabilities coupled with your skills as an organized, financially accountable project manager with a proven history in building effective teams around specific projects.

This is an administrative professional officer position with a salary range of \$50,876 - \$80,556. The University of Alberta Press operates within the portfolio of the vice-president (academic) and provost. The University Press Committee, which is the guardian of the imprint, also guides the press.

Replies, which will be treated in strict confidence, should provide details of education, experience and personal data, and be directed to Mr. Rick L. Harvey, CMC, quoting File #53051 at: Western Management Consultants. Suite 1500, 10250 - 101 Street, Edmonton, Alberta, T5J 3P4

Email: harvey@wmc.ca. The deadline for applications is Friday, December 8, 2000.

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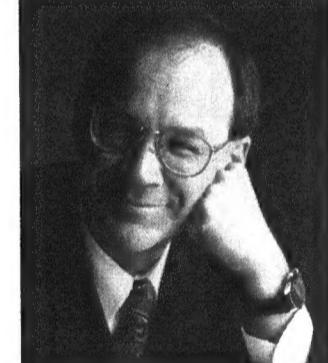
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Active living

Quelling fears of exercise among the elderly

By Phoebe Dey

For years, Dr. Sandra O'Brien Cousins has studied elderly people and exercise, yet at times her research still surprises her. In her latest paper, published in a recent issue of *The Journal of Gerontology*, the physical education professor found older women avoid exercise because of a strong belief it poses risks and may even kill them.

During her survey of more than 300 women over the age of 70, she asked about benefits and risks for six fitness activities: brisk walking, aquacize, cycling, stretching slowly to touch the toes, modified push-ups from a kneeling position and supine curl-ups.

Respondents generally recognized broad health benefits to fitness activities, but beliefs about risks were strong, anatomically specific and sometimes sensational in description, said Cousins.

"My heart would hemorrhage," "Muscle seizure," and "I would be carried out on a stretcher," were comments from several participants. Other women said they stayed away from aquacize because they were

concerned they'd slip on the deck, get dizzy or lose their balance. Others feared "being seen in a bathing suit or in the shower room—I do not undress in public." Many women avoided curl-ups because of back and neck injuries: "It would finish me," "Heart attack and headache," "Snapping my neck," "Death."

"The main message is that older women feel vulnerable and are uncertain of the risks," said O'Brien Cousins. "We

need to try to encourage them to do things that are of interest to them and that they feel comfortable participating in."

O'Brien Cousins is one step ahead of her own recommendations. For the last few years she has been running an Active Living Lab—also known as PEDS 384—

where her university students become instructors, and the seniors become active. While most of the participants in the class have been exercising for most of their lives, many can understand how others are hesitant to get involved.

"I came because I wanted to keep

I have seen that fear from people here, but after they try something a few times, they realize they're not going to get hurt.

—Eighty-six-year-old Evelyn Landers

fit, mobile and able to keep going, but I know of a lot of people who stay away because they are scared to exercise," said Mary Pardee, 81, who has walked two miles a day for the past 30 years. "Sometimes this class is a little hard to go to, but when you do go you are always glad you did."

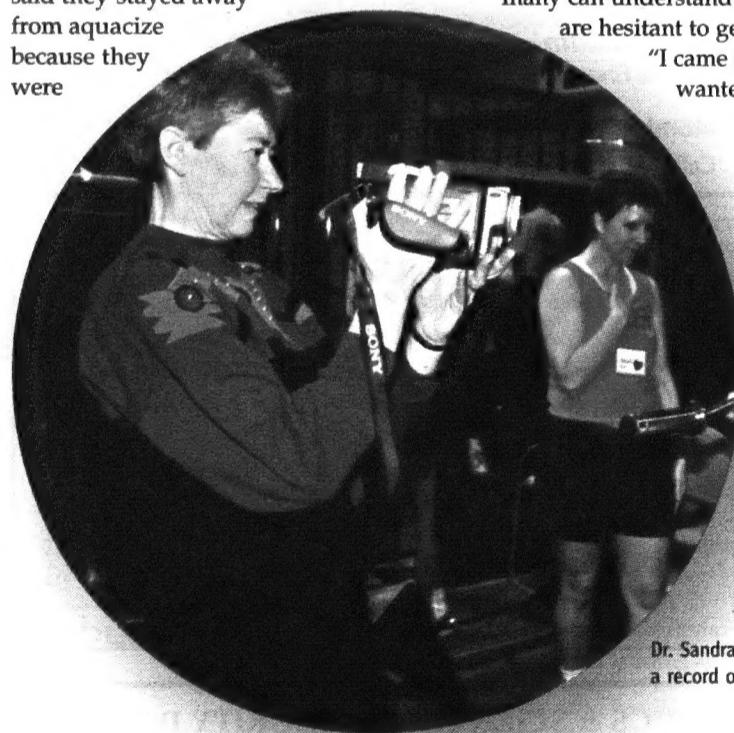
As the oldest member of the class, 86-year-old Evelyn Landers says if people take the first step to exercising, the rest is fun and games.

"I have seen that fear from people here but after they try something a few times, they realize they're not going to get hurt," said Landers, adding the social component of the class makes it even more interesting: "It's all trial and error."

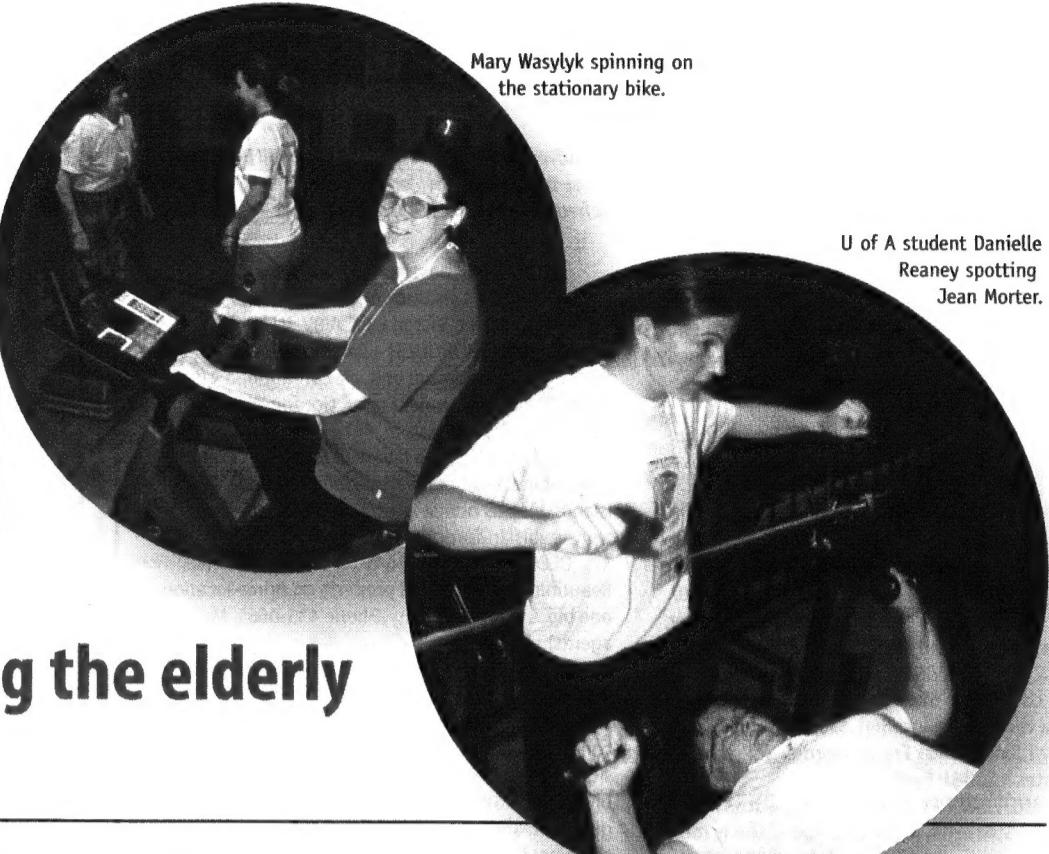
Seventy-eight year-old Elizabeth Blair joined the class this year for more specific reasons. "I need to keep active because I have osteoporosis in my spine and hips," said Blair, adding she has exercised her entire life. "I used to be five foot eight and now I'm five foot four, so my spine locks if I don't keep moving. This class is an excellent idea."

O'Brien Cousins said it wasn't always that way. Attendance has been low in past years, but recent media coverage of her research prompted calls from several hundred seniors, a task the professor welcomed. "I think people are more accepting of exercising now, and that's a great thing."

Photos by Bonnie Wilms



Dr. Sandra O'Brien Cousins keeping a record of her research



Mary Waslylyk spinning on the stationary bike.

U of A student Danielle Reaney spotting Jean Morter.



Eleanor Hamilton working on her strength and flexibility.